IN THE CLAIMS

Claim 1 has been amended as follows:

1.   (Currently Amended)   A method for preparing an anatomical implant, comprising the steps of:

in a medical interventional procedure, intra-operatively generating a three-dimensional dataset of body tissue of a subject exhibiting a fault to be corrected by an implant from a series of two dimensional projections of the body tissue obtained from respectively different projection directions with a movable C-arm x-ray apparatus, by moving an x-ray source and a radiation receiver on a C-arm around said subject; and

in [a] said medical interventional procedure, Intra-operatively preparing said implant adapted for introduction into said subject from said three-dimensional dataset.

2.   (Original)   A method as claimed in claim 1 comprising acquiring a three-dimensional dataset which represents a bone structure of said subject.

3.   (Original)   A method as claimed in claim 1 comprising intra-operatively preparing said implant with an automated device which is supplied with said three-dimensional dataset.

4.   (Previously Amended)   An apparatus for preparing an anatomical implant comprising:

a C-arm x-ray apparatus having a C-arm with an x-ray source and a radiation receiver mounted thereon, said C-arm x-ray apparatus, during a medical interventional procedure, intra-operatively generating a three-dimensional dataset of body tissue of a subject exhibiting a fault, to be

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corrected with an implant, by obtaining a series of two-dimensional projections of the body tissue from respectively different projection directions by moving said C-arm, with said x-ray source and said radiation detector thereon, around the body tissue; and

an implant-producing device which intra-operatively produces said implant from said three-dimensional dataset, during said interventional medical procedure.

5.   (Original)   An apparatus as claimed in claim 4 wherein said dataset represents a bone structure, and wherein said implant is adapted to replace said bone structure.

6.   (Original)   An apparatus as claimed in claim 4 wherein said implant-preparing device is an automated device which is supplied with said three-dimensional dataset and automatically prepares said implant therefrom.

7.   (Previously Added) A method as claimed in claim 1 wherein said C-arm has an orbital axis, and wherein the step of moving an x-ray source and a radiation receiver on a C-arm around said subject comprises moving said x-ray source and said radiation receiver on said C-arm through at least approximately 190° around said orbital axis.

8.   (Previously Added) A method as claimed in claim 1 wherein said C-arm has an angulation axis, and wherein the step of moving an x-ray source and a radiation receiver on a C-arm around said subject comprises moving said x-ray source and said radiation receiver on said C-arm through at least approximately 190° around said angulation axis.

9. (Previously Added) An apparatus as claimed in claim 4 wherein said C-arm has an orbital axis, and wherein said C-arm x-ray apparatus is operable to generate said three-dimensional dataset of body tissue by rotating said C-arm, with said x-ray source and said radiation detector thereon, through at least approximately 190° around said orbital axis.

10. (Previously Added) An apparatus as claimed in claim 4 wherein said C-arm has an angulation axis, and wherein said C-arm x-ray apparatus is operable to generate said three-dimensional dataset of body tissue by rotating said C-arm, with said x-ray source and said radiation detector thereon, through at least approximately 190° around said angulation axis.